(13)

BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for :- Providing Children play Equipement and Open Gym equipement at SFS 208 park opposite to mother diary Ward No 03.

Estimated cost Rs.45.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	Earth work in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.(S.R.of PWD 2016-17, P.No.5, I.No.2.2)								
	Near Mother Dairy								
	open gym platform	1	21.80	(7.7+3.5)	0.30	48.83			
				2.00					
	Platform approach	1	1.50	1.70	0.30	0.77			
	For Gaziboo	1	7.00	7.00	0.20	9.80			
					Total	**59.40**	233.20	Cum	13850.91
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
2	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4)								
	Kerb stone for Platform	2	21.80	0.30	0.20	2.62			
		2	(7.7+3.5)	0.30	0.20	0.67			
			2.00						
	Approach	2	1.70	0.30	0.20	0.20			
	Fun Walker	1	0.60	0.60	0.60	0.22			
	Chest press	1	0.60	0.60	0.60	0.22			
	Leg press	1	0.60	0.60	0.60	0.22			
	Surf Board	1	0.60	0.60	0.60	0.22			
	Tai Chi Spinner	1	0.60	0.60	0.60	0.22			
	Sky Walker	1	0.60	0.60	0.60	0.22			
	Horse Rider	2	0.60	0.60	0.60	0.43			
	Seated puller	2	0.60	0.60	0.60	0.43			
	Rower	1	0.60	0.60	0.60	0.22			
	Triple Twister Standing	1	0.60	0.60	0.60	0.22			
	Triple Twister Seating	1	0.60	0.60	0.60	0.22			
	Sit up board	2	0.60	0.60	0.60	0.43			
	Cycle	1	0.60	0.60	0.60	0.22			
	For Instruction Manual	2	0.50	0.50	0.50	0.25			
	For Benches	40	0.30	0.30	0.30	1.08			
	For Gaziboo	1	19.00	0.75	0.90	12.83			
						21.10	200.34	Cum	4,227.00
	Basic rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
3	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								
	open gym platform	1	21.80	(7.7+3.5)	0.20	24.41			
				2.00					
	Platform approach	1	1.50	1.70	0.20	0.51			
					Total	**24.92**	80.56	Cum	2,008.00
	Basic Rate	76.00							
	Area weightage @ 6%	4.56							
	Total	80.56							
4	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Filling of inner area	1	26.40		0.60	15.84			
					Total	**15.84**	320.12	Cum	5,071.00
	Basic Rate	302.00							
	Area weightage @ 6%	18.12							
	Total	320.12							
5	Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete P. No. 25 I. No.5.29.2								
	Kerb stone	2	21.80			43.60			
		1	7.70			7.70			
		1	3.50			3.50			
		2	1.70			3.40			
	Missing Kerb	1	220.00			220.00			
						278.20			
	1kerb=0.45 mt			618.22		**619.00**	385.84	Nos	238834.96
	Basic Rate	364.00							
	Area weightage @ 6%	21.84							
	Total	385.84							
6	Providing and laying in position plain cement concrete of Mix CC 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3)								
	Near Mother Dairy								
	open gym platform	1	21.80	(7.7+3.5)	0.15	18.31			
				2.00					
	Platform approach	1	1.50	1.70	0.15	0.38			
	Fun Walker	1	0.60	0.60	0.15	0.05			
	Chest press	1	0.60	0.60	0.15	0.05			
	Leg press	1	0.60	0.60	0.15	0.05			
	Surf Board	1	0.60	0.60	0.15	0.05			
	Tai Chi Spinner	1	0.60	0.60	0.15	0.05			

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
	Sky Walker	1	0.60	0.60	0.15	0.05			
	Horse Rider	2	0.60	0.60	0.15	0.11			
	Seated puller	2	0.60	0.60	0.15	0.11			
	Rower	1	0.60	0.60	0.15	0.05			
	Triple Twister Standing	1	0.60	0.60	0.15	0.05			
	Triple Twister Seating	1	0.60	0.60	0.15	0.05			
	Sit up board	2	0.60	0.60	0.15	0.11			
	Cycle	1	0.60	0.60	0.15	0.05			
	For Instruction Manual	2	0.50	0.50	0.15	0.08			
	For Gaziboo	1	19.00	0.20	0.15	0.57			
	Flooring of gaziboo	1	26.40		0.15	3.96			
						23.22			
						22.45			
					Total	**22.45**	5159.02	Cum	115796.78
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
7	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2015-16)								
	Near Mother Dairy								
	open gym platform	1	21.80	(7.7+3.5)	0.10	12.21			
				2.00					
	Platform approach	1	1.50	1.70	0.10	0.26			
	Fun Walker	1	0.60	0.60	0.45	0.16			
	Chest press	1	0.60	0.60	0.45	0.16			
	Leg press	1	0.60	0.60	0.45	0.16			
	Surf Board	1	0.60	0.60	0.45	0.16			
	Tai Chi Spinner	1	0.60	0.60	0.45	0.16			
	Sky Walker	1	0.60	0.60	0.45	0.16			
	Horse Rider	2	0.60	0.60	0.45	0.32			
	Seated puller	2	0.60	0.60	0.45	0.32			
	Rower	1	0.60	0.60	0.45	0.16			
	Triple Twister Standing	1	0.60	0.60	0.45	0.16			
	Triple Twister Seating	1	0.60	0.60	0.45	0.16			
	Sit up board	2	0.60	0.60	0.45	0.32			
	Cycle	1	0.60	0.60	0.45	0.16			
	For Instruction Manual	2	0.50	0.50	0.30	0.15			
	For Benches	40	0.30	0.30	0.30	1.08			
	For Gaziboo coping	1	19.00	0.20	0.10	0.38			
	Pole fixing concrete	6	0.45	0.45	0.60	0.73			
	For Gaziboo flooring	1	26.40		0.10	2.64			
					Total	**20.03**	5874.52	Cum	117690.13
	Basic Rate	5542.00							
	Area Weightage @ 6%	332.52							
	Total	5874.52							

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
8	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. P.109, I. No.14.62								
	Near Mother Dairy								
	open gym platform	1	21.80	(7.7+3.5)		122.08			
				2.00					
	Platform approach	1	1.50	1.70		2.55			
	For Gaziboo Flooring	1	26.40			26.40			
	For damaged portion	6	4.00	2.00		48.00			
	For platform of benches	8	2.50	2.50		50.00			
					Total	**249.03**	1116.18	sqmt	277,962.00
	Basic Rate	1053.00							
	Area weightage @ 6%	63.18							
	Total	1116.18							
9	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification.. P.NO.40.I.NO.7.29								
	For Gezebo								
	M.S.pipes 200mm out side dia medium ,5.9mm thickness	6.00	3.15			18.90			
			18.90	27.3kg/m		**515.97**			
	M.S .Rectangular hallow sections	6	2.40			14.40			
		12	3.50			42.00			
						56.40			
			56.40	9.67kg/m		**545.39**			
	purlins								
	50x25x3.2mm	6	4.16			24.96			
		6	3.91			23.46			
		6	3.66			21.96			
		6	3.41			20.46			
		6	3.16			18.96			
		6	2.92			17.52			
		6	2.67			16.02			
		6	2.42			14.52			
		6	2.17			13.02			
		6	1.92			11.52			

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
		6	1.67			10.02			
		6	1.42			8.52			
		6	1.18			7.08			
		6	0.93			5.58			
		6	0.68			4.08			
		6	0.43			2.58			
						220.26			
			220.26	3.27kg/m		**720.25**			
	Gusset plate (10mm thick)	6	0.23	0.23		0.32			
						0.32			
			0.32	78.5kg/sqm		**24.92**			
						1806.52	116.60	Kg	210,640.71
	Basic Rate	110.00							
	Area weightage @ 6%	6.60							
	Total	116.60							
10	Supplying and fixing new Mangalore tiles on existing reepers								
	Roof tiles	0.5x6	2.36	3.50		24.78			
					Total	**24.78**	384.78	sqmt	9,535.00
	Basic Rate	363.00							
	Area weightage @ 6%	21.78							
	Total	384.78							
11	Providing Mangalore Ridge tiles set in C.M. 1:2 and pointed with C.M.								
	Roof tiles	0.5x6	2.36	3.50		24.78			
					Total	**24.78**	384.78	sqmt	9,535.00
	Basic Rate	363.00							
	Area weightage @ 6%	21.78							
	Total	384.78							
12	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16).								
	For Gaziboo	Qty as per gaziboo				18.90			
						56.40			
						220.26			
						0.32			
					Total	**295.88**	86.92	sqmt	25,718.00
	Basic Rate	82.00							
	Area weightage @ 6%	4.92							
	Total	86.92							
13	Removing and resetting of Kerb stone I:34.18								
	Park area	2	600.00			1200.00			
	Deduct missing kerb	1	220			-220.00			
					Total	**980.00**	65.72	Mtr	64,406.00
	Basic Rate	62.00							
	Area weightage @ 6%	3.72							
	Total	65.72							

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
14	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.								
	Kerb stone	2	21.80		0.45	19.62			
		1	7.70		0.45	3.47			
		1	3.50		0.45	1.58			
	Approach	2	1.70		0.45	1.53			
	Missing Kerb	1	220.00		0.45	99.00			
					Total	**125.19**	27.56	sqmt	3,450.00
	Basic Rate	26.00							
	Area weightage @ 6%	1.56							
	Total	27.56							
15	KSRRB M2700- Painting on Concrete Surface KSRRB M2700-12. Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint at of 1 litre for 2 sqm complete as per specifications MORTH Specification No. 800								
	Kerb stone	2	21.80		0.45	19.62			
		1	7.70		0.45	3.47			
		1	3.50		0.45	1.58			
		2	1.70		0.45	1.53			
	Park area	2	600.00		0.45	540.00			
					Total	**566.19**	66.78	sqmt	37,810.00
	Basic Rate	63.00							
	Area weightage @ 6%	3.78							
	Total	66.78							
16	SUPPLYING AND FIXING OF FUN WALKER SINGLE OFF SAFE AREA-3 mtr x 2 mtr, main frame: 100NB GI B-class pipe, LEG FRAME: 32 NB GI B-cLASS pipe, HANDLE FRAME: 25NB GI B-CLASS pipe, FOOT REST: LLDB PLASTIC, PIPE:Nylon 66 injection moulded, BEARING CAP: nylon 66 injection moulded, BEARING HOUSING AND PIN: seamless pipe and round bar, NUT BOLT CAP: nylon 66 injection moulded, BEARING: Permanent sealed of reputed make(FAB/SKF), NUT BPLTS-HIGH TENSILE STEEL, GALVANISE NUT BOLTS, POWDER COAT: Done by pure poly urethane powder with 70-80 microne tthickness as per engineer incharge of the work								
						1.00	85300	each	85,300.00
17	SUPPLYING AND FIXING OF CHEST PRESS DOUBLE OF SAFE AREA: 4 mtr x 2.5 mtr of centre pipe: 100 NB GI B-class pipe, CEAT FRAME: 32 NB GI B-class pipe handle frame 32 NB & 15NB GI B-class pipe handle cover TPEE injection moule sear rest LLDP Plastic pipe cap nylon 66 injection moulded, bearing housing & seamless pipe and round bar, BEARINGS: permament sealed of reputed make (FAG/SKF), nut bolts: high tensile steel galavanised nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								
						1.00	147340	each	147,340.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
18	Supplying and fixing of LEG PRESS DOUBLE of safe area: 2.8 mtr x 1.5 mtr, center Pipe: 100 NB, GI- B-Class pipe, seat frame: 32 NB GI B-Class pipe. Back rest: LLDP Plastic seat rest: LLDP Plastic, Foot Rest: LLDP Plastic, Pipe Cap: nylon 66 injection moulded, bearing, housing and pin: seamless pipe and round bar, bearings: permanent sealed of reputed make(FAG/SKF), STOPPER-PU Rod, nut, bolds cap-nylon 66 injection moulded NUT BOLTS-HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT-DONE BY PURE POLY URETINE POWDER WITH 70-80 MICRONE THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.								-
						1.00	141420	each	141,420.00
19	SUPPLYING AND FIXING PENDULUM DOUBLE OF SAFE AREA: 2.5 mtr x 1 mtr main frame: 100 NB GI G-class pipe, LEG FRAME: 40 NB GI B-class pipe handle frame 25 NB GI B-class pipe, seat: LLDP Plastic pipe cap: nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar, NUT BOLTS CAP: nylon 66 injection moulded, bearing caps: permament sealed of reputed make (FAB/SKF), nut bolts: high tensile steel galavanise nut bolts, power coat – done by pure poly urethane powder with 70-80 microne thickness as per enginner incharge of the work								-
						1.00	136440	each	136,440.00
20	SUPPLYING AND FIXING OF TAI CHI SPINNER OF SAFE AREA: 2.0 mtr, DIA, main frame 100 100 NB GI B-class pipe, Handle Frame : 32 NB GI B-class pipe spinning LLDP Plastic pipe cap nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar, NUT BOLT CAPS: NYLON 66 injection moulde bearing permament sealed of reputed make (FAB/SKF), nut bolts: high tensile steel galvanized nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						1.00	115135	each	115,135.00
21	SUPPLYING AND FIXING OF SKYWALKER OF SAFE AREA: 2.8 mtr x 1.5 mtr centre pipe: 100 NB GI B-class, SEAT FRAME: 32 NB GI B-class pipe, BACK REST: LLDP Plastic, SEAT REST: LLDP Plastic, FOOT REST: LLDP Plastic, PIPE CAP: Nylon 66 injection moulded, BEARING CAP: Nylon 66 injection moulded bearing housing an pin: seamless pipe an Round Bar, Bearing: Permanent sealed of reputed make (FAG/SKF) stopper: PU Rod, Nut Bolts Cap: Nylon 66 injectin moulded, Nut Bolts: High Tensile Steel, Galbanise Nut Bolts, Powder coat: Done by pure polyurethane power with 70-80 micron thickness as per engineer incharge of the work								-
						1.00	147340	each	147,340.00
22	SUPPLYING AND FIXING FUN RIDER OF SAFE AREA: 2.5 mtr x 1.5 mtr main frame: 80 NB GI B-class pipe, SEATFRAME: 80 NB GI B-class pipe handle frame 32 NB GI B-class pipe seat LLDP Plastic pipe nylon 66 : nylon 66 injection moulded, bearing cap: nylon 66 injection moulded bearing housing and pin seamless pipe and round bar, NUT BOLTS CAP: nylon 66 injection moulded bearings permament sealed of reputed make (FAG/SKF), nut bolts: high tensile steel galavanised nut bolts, powder coat done by pure poly urethane powder with 70-80 micron thickness as per engineer incharge of the work								-
						2.00	109660	each	219,320.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
23	SUPPLYING AND FIXING SHOULDER PRESS DOUBLE OF SAFE AREA: 4 mtr x 2.5 mtr of centre pipe: 100 NB GI B-class pipe, SEAT FRAME: 32 NB GI B-class pipe handle frame 15 NB GI B-class pipe, handle cover TPEE injection moulded seat rest: LLDP Plastic pipe cap: nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar, BEARINGS: permament sealed of reputed make (FAB/SKF), nut bolts: high tensile steel galavanise nut bolts, nut bolts cab nylon 66 injection moulded power coat – done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						2.00	140595	each	281,190.00
24	SUPPLYING AND FIXING OF FUN ROVER OF SAFE AREA: 2.5 mtr x 1.5 mtr of main frame: 80 NB GI B-class pipe, CEAT FRAME: 80 NB GI B-class pipe handle frame 32 NB GI B-class pipe Seat LLDP Plastic pipe cap nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar, NUT BOLTS CAP: nylon 66 injection moulded, BEARINGS: permament sealed of reputed make (FAG/SKF), nut bolts: high tensile steel galavanised nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						1.00	107080	each	107,080.00
25	SUPPLYING AND FIXING OF STANDING TWISTER THREE WAY OF SAFE AREA: 2.5 mtr dia main frame 100 NB GI B-class pipe, ARM FRAME: 32 NB GI B-class pipe handle frame 20 NB GI B-class pipe twister disk LLDP Plastic pipe cap nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar,NUT BOLTS CAP: nylon 66 injection moulded bearing permament sealed of reputed make (FAG/SKF), nut bolts: high tensile steel galvanized nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						1.00	137600	each	137,600.00
26	SUPPLYING AND FIXING OF Sitting TWISTER THREE WAY OF SAFE AREA: 2.5 mtr dia main frame 100 NB GI B-class pipe, ARM FRAME: 32 NB GI B-class pipe handle frame 20 NB GI B-class pipe twister disk LLDP Plastic pipe cap nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar,NUT BOLTS CAP: nylon 66 injection moulded bearing permament sealed of reputed make (FAG/SKF), nut bolts: high tensile steel galvanized nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						1.00	155260	each	155,260.00
27	SUPPLYING AND FIXING OF SITUP BOARD DOUBLE OF SAFE AREA: 2.8 mtr x 1.5 mtr centre pipe: 100 NB GI B-class, SEAT FRAME: 32 NB GI B-class pipe, BACK REST: LLDP Plastic, SEAT REST: LLDP Plastic, FOOT REST: LLDP Plastic, PIPE CAP: Nylon 66 injection moulded, BEARING CAP: Nylon 66 injection moulded bearing housing an pin: seamless pipe an Round Bar, Bearing: Permanent sealed of reputed make (FAG/SKF) stopper: PU Rod, Nut Bolts Cap: Nylon 66 injectin moulded, Nut Bolts: High Tensile Steel, Galbanise Nut Bolts, Powder coat: Done by pure polyurethane power with 70-80 micron thickness as per engineer incharge of the work								-

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
						1.00	112290	each	112,290.00
28	SUPPLYING AND FIXING CYCLE SINGLE OF SAFE AREA: 2.5 mtr x 1 mtr of centre pipe: 100 NB GI B-class pipe, ARM FRAME: 40 NB GI B-class pipe handle frame 20 NB GI B-class pipe Seat LLDP Plastic pipe nylon 66 injection moulded, bearing cap: nylon 66 injection moulded, bearing housing and pin: seamless pipe and round bar, BEARINGS: permament sealed of reputed make (FAB/SKF), nut bolts: high tensile steel galavanised nut bolts, done by pure poly urethane powder with 70-80 microne thickness as per engineer incharge of the work								-
						1.00	78170	each	78,170.00
29	Providing and fixing granite benches as per design specification and fixing as per the direction of Engineer in charge of work								
						10.00	10550	Nos	105,500.00
30	Providing and fixing Cast Iron benches as per design specification and fixing as per the direction of Engineer in charge of work								
						5.00	15900	Nos	79,500.00
31	Supply and fixing safety instruction board with BBMP Logo and company of manufacturing Logo finished product should have the following specification 1 inch *16 gauge sq metal frame, 2 inch by 16 gauge round pipe powder coated ,Fittings and clamps suited flex 2 print, sq pipe frame 1.2m x0.3m, round 3.48m by 2 inches * 16 gauge – 2 nos, flex print - 1 nos with safety instructions.								-
						1.00	15332	Nos	15,332.00
32	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint								
	Damaged portion	1	55.00	2.00		110.00			
					Total	**110.00**	698.54	Sqm	76,839.00
	Basic Rate	659.00							
	Area weightage @ 6%	39.54							
	Total	698.54							
33	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.								
	Damaged portion	3	55.00			165.00			
					Total	**165.00**	343.44	Mtr	56,668.00

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
	Basic Rate	324.00							
	Area weightage @ 6%	19.44							
	Total	343.44							
34	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (P. No. 43 / I. No. 7.37 of CSR 2015-16)								
	Gate	1	3.04	1.60		4.86			
					Total	**4.86**	3110.04	Sqm	15,127.00
	Basic Rate	2934.00							
	Area weightage @ 6%	176.04							
	Total	3110.04							
35	KSRB 14.6-1: Providing and resetting of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P.No 101 of I.No.14.6 in PW,P&IWTD SR 2015-16)								
	Park Area	1	252.00	2.50		630.00			
					Total	**630.00**	457.92	Sqm	288,490.00
	Basic Rate	432.00							
	Area weightage @ 6%	25.92							
	Total	457.92							
36	KSRB 14.6-1: Providing and fixing of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications (P.No 101 of I.No.14.6 in PW,P&IWTD SR 2015-16)								
	Missing and Damaged portion	1	200.00	2.50		500.00			
					Total	**500.00**	966.72	Sqm	483,360.00
	Basic Rate	912.00							
	Area weightage @ 6%	54.72							
	Total	966.72							

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
31	Lead for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 10 kms) complete with all lead & lift & as per the direction of the Engineer in charges. (S.R.of PW,P & IWTD, SR 2016-								
	For 10k.m	10x1.3x2=		26.00					
	Loading & unloading			68.00					
				94.00					
	A.W 6% =			5.64					
	Total =			99.64		55.58			5537.59
	Qty item No.1 , 2					46.32			
					Total	46.32	99.64	cum	4,614.83
						4126774.09			4,107,293.54
						371409.67	KRIDL Charges 9%		369,656.42
							Third party and QC Charges 0.5%		20,536.47
						1816.24	Miscellaneous		2,513.58
							GRAND TOTAL Rs.		4,500,000.00

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per C.S.R. of 2016-17 & approved data rate.
3. This provisions were made in this estimate are necessary and adequate
4. This work cormes under B.B.M.P limits

Asst. Engineer
BBMP

18/3/17
Asst. Executive Engineer Project
Yelahanka Zone, BBMP

Executive Engineer project
Yelahanka Zone
BBMP
18/3/17.

Administrative Approval
Accorded For Rs. 45,00 lakhs
Head of A/C P-2415
CER NO : 11/16-17 Dt: 20-03-2017

E.E. (Project)
AE
20/3

Technical Sanction
Accorded For 45.00 lakh Rs.
Head of A/C P2415
CER NO : 186 Dt: 20/03/17

TA CE (YNK)